

ROUTING SLIP

DIVISION OF WILDLIFE REFUGES

DATE: 2-19 1939 42

✓ MR. SALYER: _____ ✓

SECTION OF HABITAT IMPROVEMENT:

① ✓ MRS. WOODIN: _____

Mr. Kubichek _____

MR. EIMER: _____

Mr. Smith _____

MISS GARRISON: _____

Mr. Griffith _____

✓ ~~Miss Garrison~~ _____

PAD 4/6

Miss Cook _____

mc 3-30-42

✓ SECTION OF OPERATIONS:

✓ SECTION OF ERA:

~~Mr. Ball~~ _____

WT 3/30

~~Mr. Bagan~~ _____

JHRC 4/7/42

Mrs. Watkins _____

~~Dr. Bourn~~ _____

WSPA 4/7/42

Mrs. Kricun _____

Mr. Sommers _____

~~Mr. Gustafson~~ _____

Miss Riley _____

✓ SECTION OF LAND MANAGEMENT:

✓ STENOGRAPHERS:

~~Mr. Earnshaw~~ _____

FK

~~Miss W. R. R. R.~~ _____~~Mr. Ackertrecht~~ _____

372

DIVISION FILES:

✓ SECTION OF STRUCTURES:

~~Mr. Taylor~~ _____

WV 7/31/42

REMARKS:

No. Dakota Easements to _____
November - January 42Return to: D. W. F. F.

NORTH DAKOTA EASEMENT REFUGES - DISTRICT No. 6.

QUARTERLY REPORT

NOVEMBER & DECEMBER 1941.

&

JANUARY 1942.

UNITED STATES DEPARTMENT OF THE INTERIOR

FISH AND WILDLIFE SERVICE

KENSAL, NORTH DAKOTA.

APPROVED BY REGIONAL OFFICE

2-17-42

NORTH DAKOTA EASEMENT REFUGES - DISTRICT No. 6.

Bonehill Creek

Chase Lake

Half-way Lake

Hobart Lake

Lake George

Stoney Slough

Tomahawk Lake

General conditions with regard to the easement refuges in this district may best be described as good and showing much improvement over the same period a year ago. The above description applies to all of the easement areas in this district with the exception of Half-way Lake Refuge which has not shown any improvement in water conditions and is at present dry. All of the areas with water proved of great value during the recent hunting season and in providing a resting area during the fall migration.

Bonehill Creek:

Water levels at this refuge have deteriorated some from the time of the next previous quarter but a considerable quantity remains to begin the next season. Feeding conditions and cover for wildlife near this area are excellent and with the water from the spring run-off shall provide an excellent nesting and brooding spot for waterfowl. New boundary markers and penalty signs have not been installed here as yet.

Chase Lake:

Conditions here during January represent a rather barren area. The

fresh water area on the east side of the peninsula is supporting an excellent growth of soft-stemmed bulrush but otherwise the area lacks cover because of the alkaline nature of the soil. The water levels at this refuge have ~~receded~~ some from last quarter's report but are much higher than is usual at this time of the year. A portion of the refuge markers and signs have been replaced with new but much remains yet to be done. No birds of any species were observed during our visit in January though great varieties of waterfowl used the area temporarily during the migration.

Half-way Lake:

No water has accumulated in this area to-date but it is proving very popular as an upland game bird refuge especially for Chinese Pheasants; a number of which were observed at this point. Signs have not been changed.

Hobart Lake:

Water levels have been maintained very nearly the same all through this season and large flights of waterfowl were observed to use this area during the fall migration and a few to remain upon it until it was frozen over solidly. Much small grains was left in the fields near here because of the wet fall season providing good feeding areas. Cover is also very good. No birds on refuge late in January. Signs have been replaced along roads at refuge boundaries with more scheduled to go up in the near future. The general outlook for Hobart Lake is very good as it seems to have become very popular to waterfowl.

Lake George:

Present conditions at Lake George duplicate our last report with the exception that the area is now devoid of birds. Even Upland Game Birds do not find this barren territory to their liking at this time

of the year. A part of the signs and markers have been replaced with new at this refuge also but the job has not been completed todate. The two fresh water units each have a good body of water and the South Unit has a very heavy stand of bulrushes. Cover conditions may be described as poor as there is very little brush or heavy grass growing near the large salt lake. The fresh water units have been popular during migration periods and are valuable in that instance.

Stoney Slough:

Water conditions have continued good here and with anywhere near normal run-off should fill all of the refuge units except the lower one. The area provides excellent food and cover for wildlife and was heavily populated during all of the past season. During this winter a good number of Hungarian Partridge and Chinese Pheasants are making their home here. The presence of several Pheasants on the area is gratifying to local hunters who had feared that last years hard storms had nearly wiped out their local stock of these birds. A trapping permit was issued to a resident farmer for the purpose of controlling predators on the refuge near his farm. All signs have been replaced with new.

Tomahawk Lake:

Fall rains in the area of this refuge has maintained the water level at equal to its high point of the past summer and with usual run-off it is sure to overflow. The amount of drop to the spillway of this area would make it appear that a carefull watch be maintained during the run-off period to prevent possible damage. Feeding conditions are good near this area but nesting cover is limited to the coulee bottom and the upper area where a fine growth of bulrush has established itself. Signs have not been changed. This area does not seem popular to Upland Game Birds.



Stoney Slough, Easement Refuge, From South of main central unit showing one small island. January 25, 1942.



Lake Tomahawk Easement Refuge, Shows water area and dam, January 25, 1942.



Hobart Lake, Easement Refuge, From West to N. E. Jan.25, 1942.



Hobart Lake, Easement Refuge, From West shows S.Unit with island. January 25, 1942.



Chase Lake Easement Refuge from East shows freshwater unit in foreground and peninsula with salt water in background, January 26, 1942



Chase Lake Easement Refuge, shows salt water area with Pelican island in background. January 26, 1942.



Bonehill Creek Easement Refuge, toward Dam from North West, Jan. 26, 42.



Lake George Easement Refuge, showing South Fresh Water Unit from East to West, Heavy Bulrush growth. January 26, 1942.



Lake George Easement Refuge, North Fresh Water Unit from East
toward Dam with salt water unit in background. January 26, 1942.

Submitted by:

Harry L. Rognlie
Harry L. Rognlie
Refuge Manager

February 11, 1942.



ROUTING SLIP

DIVISION OF WILDLIFE REFUGES

DATE: 11-18 1941✓ MR. SALYER WLS ✓

SECTION OF HABITAT IMPROVEMENT:

① ✓ ~~MRS. WOODIN~~ new 1/1~~Mr. Kubichek~~✓ ~~MR. BENDER~~ ACE 2/5~~Mr. Smith~~ PAD 12/22

MRS. GARVIN

~~Mr. Griffith~~ LEG 12/29✓ MR. DUMONT PAD 1-12Miss Cook Five

✓ SECTION OF OPERATIONS:

✓ SECTION OF ERA:

~~Mr. Krauss~~ WLS 1/4~~Mr. Regan~~ 108R 2/10/42~~Mr. Gustafson~~ WLS 1/8/42~~Dr. Bourn~~ WLS 2/10/42Miss Baum WLS

Mrs. Fishman

Mrs. Kricun

✓ SECTION OF LAND MANAGEMENT:

✓ STENOGRAPHERS:

~~Mr. Baumgardner~~ B

Miss Whorley

~~Mr. Ackerman~~ P-6

✓ SECTION OF STRUCTURES:

~~Mr. Taylor~~ WLS 3/18

REMARKS:

North Dakota Game and Fish Dist #6
August - October 1941

Return to:

Div. Files
Wildlife Refuges

NORTH DAKOTA EASEMENT REFUGES - DISTRICT No. 6.

QUARTERLY REPORT

AUGUST, SEPTEMBER & OCTOBER, 1941.

United States Department of the Interior
Fish and Wildlife Service
Kensal, North Dakota.

jcl

NORTH DAKOTA EASEMENT REFUGES - DISTRICT No. 6.

Bonehill Creek

Chase Lake

Half-way Lake

Hobart Lake

Lake George

Stoney Slough

Tomahawk Lake

General conditions on all of the refuges in this district may best be described as excellent with the exception of Half-way Lake Refuge which has continued dry through this whole season. A natural loss of water levels was expected at the close of the summer months but we are glad to report that the majority of these refuges are in exceptionally good condition at the close of the season. The Eastern portion of this District has continued the improvement shown in the preceeding quarter. All refuges wre showing their value as a haven for Wildlife during the hunting season. As soon as the shooting started after the opening of the season; flocks and individuals of wildlife headed for the refuges. Some of this phenomena we have observed ourselves while other persons have reported several instances of the sort of uncanny intelligence that the birds and animals in the vicinities of refuges display.

Bonehill Creek:

Water conditions at this refuge have deteriorated from the last quarter but the main unit is still about half full as of Oct.31.

This area was visited late in the evening and we were able to observe several thousand ducks at rest on this one small area.

Pictures taken of this area did not develop properly because of

very poor light conditions and rain at the time.

Birds observed here were:

3500 Mallards, 250 Redheads, 360 Canvas-back, 850 Ruddy's
800 Baldpate and a group of 150 Pintails. About 360 Geese
were observed feeding near the water area within the refuge
boundaries. (Hutchinson's)

Food and cover conditions here appear much improved over a year
ago the heavy concentration appears to be making rather heavy in-
roads on corn shocks left standing in fields here.

Chase Lake.

The fresh water unit of this refuge has held an excellent body
of water through this summer and as indicated in the accompanying
photograph; covers nearly the whole of the fresh water basin.

Food and cover on the refuge are better than at any time that we
have visited this area but due to the poor quality of the soil
near here there is not much farming done and birds using this area
must travel several miles to find good grain feeding fields.

Birds Observed:

1500 Mallards, 350 Gadwalls, & 50 Redheads. A group of
350 Hutchinson's Geese were observed on the Salt unit.

Water levels of the Salt unit have receded very little through
this summer and it is not believed that over three inches has
been lost since the last report on this area.

Half-way Lake.

This area has remained dry all this season. Cover on the lake bottom
is very heavy and provides an excellent habitat for Upland Game Birds;
and no doubt several fur-bearing animals.

Hobart Lake.

Water in the upper half of this unit at the end of October is within a foot of the spillway crest and the larger area body North of the dike has about the same amount of water as at the close of the last Quarter. Heavy rains in this area have restored a good share of the water lost through evaporation during August. Feeding conditions could not be better as a great deal of the farm crops in this neighborhood could not be harvested until real late in the season and a good share has been left in the fields. This area has evidenced the same general conditions with respect to waterfowl seeking refuge on it after the beginning of the hunting season. Birds Observed:

Mallards- 8500 to 9000, Red-heads 2500, Can-vas-back-250, Gadwall- 300, Shovelers- 750. Hutchinson's Geese 150.

Lake George.

Water conditions in both fresh-water units of this refuge are about equal with that of the last report with some loss evident in the North Unit. The large Salt unit appears very much the same as it did earlier in the season. Several flocks of geese (Hutchinson's) were observed on this ~~Salt~~ water unit.

Total birds observed:

Mallards 6400, Red-heads- 560, Pintails- 1200, Gadwalls- 250.
Geese- 4500.

Stoney Slough.

Water in the units 3, 4, & 5 has increased slightly during October and shows a possibility that the whole of this area may be filled during next springs run-off. A very heavy concentration of Ducks and geese has been apparent all through this hunting season and the area is well stocked with Upland Game Bird. Two NYA workers that have been employed at this unit this summer and fall have accomplished

a remarkable job in cleaning up tree plots and diversion ditches on this refuge. Mr. Gunderson, Postmaster at Hastings, N. Dak. has supervised the work of these boys and has taken a further interest in the refuge through protecting it from trespassing. One neighboring farmer has complained of depredations to his poultry from furbearing animals in units 4 & 5 of this area and a trapping permit has been granted him for the purpose of protecting his poultry by reducing the numbers of these animals in his vicinity.

Observed waterfowl on this Area:

Mallards- 12500, Pintails-860, Hutchinson's Geese- 3400,
Canadian Geese- 125.

Cover and feeding conditions on this area are much improved over what they were a year ago due to farmers having to leave much of their field crops unharvested until late this season and much of the grain shelling out in the fields. New refuge boundary markers and penalty signs have been installed at this refuge by NYA workers.

Tomahawk Lake;

The water in this area is now about three feet below the spillway of the dike or about six inches lower than at the close of the last quarter. There is still sufficient water to flood the whole of the impounded lake area. Cover near this lake has improved a great deal this season and should make the area much better for nesting during the coming season. Only birds observed here were 1200 Mallards.



Chase Lake- Fresh water unit in foreground also shows: Peninsula, Pelican Island and Salt Unit in Background. October 31, 1941.



North Fresh-water Unit of Lake George with large Salt Unit in background. October 31, 1941.



South Fresh-water Unit of Lake George Easement Refuge. October 31, 1941.



North Part of Lake Tomahawk Easment refuge Lake. October 30, 1941.



South and East portion of Lake Tomahawk Easement Refuge from
fork. October 30, 1941.



East Units of Stoney Slough Easement Refuge from South of
Main central Unit. October 30, 1941.



Stoney Slough Easement Refuge from South of main Central Unit.
October 30, 1941.



Hobart Lake Easement Refuge, from South of Dike shows both Units.

September 22, 1941.



Island in South Unit of Hobart Lake National Wildlife Refuge
Shows part of Ducks in foteground and heavier concentration
to the right of the Island and to extreme right of picture.
September 22, 1941.

Submitted by:

Harry L. Rognlie
Harry L. Rognlie
Refuge Manager.



ROUTING SLIP

DIVISION OF WILDLIFE REFUGES

DATE: 8-18 1941☒ MR. SALYER☒ SECTION OF HABITAT IMPROVEMENT:☒ ~~MRS. WOODMAN~~ *NW 9/22*~~Mr. Kisheloh~~ *good report*☒ MR. ELMER *ACE*~~Mr. Smith~~ *RHS*☐ MRS. GARVIN~~Mr. Griffith~~ *REG*☒ MR. DUMONT *PAD 10-25*~~Miss Cook~~ *rwc*☒ SECTION OF OPERATIONS:☒ SECTION OF ERA:~~Mr. Kisheloh~~ *WK 10/13*~~Mr. Regan~~ *WDR 12/15/41*~~Mr. Kisheloh~~ *KH 12/9*~~Dr. Bourn~~ *WSB 10/13/41*☒ Miss Baum *M.*

Mrs. Fishman

Mrs. Kricun

☒ SECTION OF LAND MANAGEMENT:☒ STENOGRAPHERS:~~Miss Whorley~~ *11-4*~~Miss Whorley~~ *WV 10-31-41*~~Mr. Kisheloh~~ *CEA*☒ SECTION OF STRUCTURES:~~Mr. Taylor~~ *WV 11/6/42*

REMARKS:

No. Dakota Escarpment District
6 Quarterly
May - July 1941

Return to:

Cook
D. W. Files

8-29
IN REPLY REFER TO

Easements - N. D.
District #6

UNITED STATES
DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE
OFFICE OF REGIONAL DIRECTOR
500 NATIONAL BUILDING
MINNEAPOLIS, MINNESOTA

REGION 3
—
NORTH DAKOTA
SOUTH DAKOTA
NEBRASKA
MINNESOTA
IOWA
MISSOURI
WISCONSIN
MICHIGAN
ILLINOIS
INDIANA

August 26, 1941

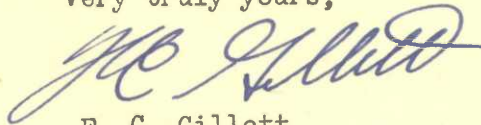
The Director,
Fish and Wildlife Service,
Washington, D. C.

Dear Sir:

Reference is made to the quarterly report for easement refuges
in North Dakota District No. 6 as submitted by Harry L. Rognlie,
Refuge Manager.

There is enclosed a supplement to this report which includes
information as to the condition of the structures and the posting of
these areas.

Very truly yours,



F. C. Gillett
Refuge Inspector

js

REGION 3
NORTH DAKOTA
SOUTH DAKOTA
NEBRASKA
MINNESOTA
IOWA
MISSOURI
WISCONSIN
MICHIGAN
ILLINOIS
INDIANA

UNITED STATES
DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE
OFFICE OF REGIONAL DIRECTOR
500 NATIONAL BUILDING
MINNEAPOLIS, MINNESOTA

IN REPLY REFER TO
Bureau - M. D.
District

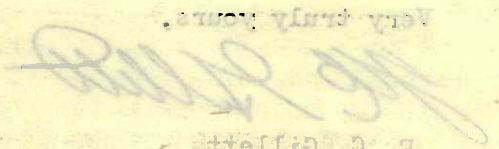
August 28, 1941

The Director,
Fish and Wildlife Service,
Washington, D. C.

Dear Sir:

Reference is made to the quarterly report for season 1940-1941 in North Dakota District No. 8 as submitted by Henry I. Rogalie, Refuge Manager.

There is enclosed a supplement to this report which includes information as to the condition of the structures and the extent of these areas.

Very truly yours,

F. C. Gillett
Refuge Inspector

gy



IN REPLY REFER TO

Enclosures - N. D.
District #6

UNITED STATES
DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE
OFFICE OF REGIONAL DIRECTOR
500 NATIONAL BUILDING
MINNEAPOLIS, MINNESOTA

REGION 3
NORTH DAKOTA
SOUTH DAKOTA
NEBRASKA
MINNESOTA
IOWA
MISSOURI
WISCONSIN
MICHIGAN
ILLINOIS
INDIANA

August 26, 1941

The Director,
Fish and Wildlife Service,
Washington, D. C.

Dear Sir:

Reference is made to the quarterly report for easement refugees
in North Dakota District No. 6 as submitted by Harry L. Rogalie,
Refuge Manager.

There is enclosed a supplement to this report which includes
information as to the condition of the structures and the posting of
these areas.

Very truly yours,

P. C. Gillett
Refuge Inspector



REGION 3

NORTH DAKOTA
SOUTH DAKOTA
NEBRASKA
MINNESOTA
IOWA
MISSOURI
WISCONSIN
MICHIGAN
ILLINOIS
INDIANA

UNITED STATES
DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE
OFFICE OF REGIONAL DIRECTOR
500 NATIONAL BUILDING
MINNEAPOLIS, MINNESOTA

IN REPLY REFER TO

Enclosure - H. D.
District 38

August 28, 1941

The Director,
Fish and Wildlife Service,
Washington, D. C.

Dear Sir:

Reference is made to the quarterly report for enactment regions
in North Dakota District No. 3 as submitted by Harry L. Hoggins,
Refuge Manager.
There is enclosed a supplement to this report which includes
information as to the condition of the structures and the packing of
these areas.

Very truly yours,

W. O. Gillette
Refuge Inspector



Arrowwood
Easements, N.D.
District # 6

Fish and Wildlife Service
Arrowwood National Wildlife Refuge
Kensal, North Dakota.

August 25, 1941.

Regional Director
Fish and Wildlife Service
500 National Building
Minneapolis, Minnesota.

Dear Mr. Maurek:

Reference is made to Mr. Gillett's letter of Aug. 21, regarding our quarterly report for the easement refuges in North Dakota District # 6 requesting that a supplement be made to said report covering structures and posting.

Please regard the following as a supplement to the above designated report.

All of the easement refuges in this district may be included in the same description as to structures and posting as the same conditions apply to each of them. All dams, ditches, dikes and spillways are in generally good condition; that is, no damage has occurred to them from water erosion and they are not in need of repairs. The islands that have been constructed on these areas have taken a severe wave action and some of them are nearly washed flat. They still are high enough to provide good resting spots for the birds and it has been noted that a very generally heavy use has been made of them for this purpose. None of the easement refuges in this district have been posted with the new markers and notices as time has not been available for this purpose. The posting on these refuges was gone over last year and all damaged signs replaced with new at that time and it is observed at the present that the posting is in generally good condition. The larger wooden signs for each of the refuges has been removed and brought to headquarters for relettering and painting. It is believed that the wooden signs and what new metal signs are required can be replaced in the near future.

Hoping that this information is sufficient for your needs, I remain,

Very truly yours,

Harry L. Rognlie
Refuge Manager.



Arrowwood National Wildlife Refuge
Fish and Wildlife Service
Kansas, North Dakota.

August 22, 1941.

Arrowwood
Refuge, N.D.
District 6

Regional Director
Fish and Wildlife Service
500 National Building
Minneapolis, Minnesota.

Dear Mr. Merrick:

Reference is made to Mr. Gilllett's letter of Aug. 21,
regarding our quarterly report for the season of 1941 in
North Dakota District 6 requesting that a supplement be
made to said report covering structures and posting.

Please regard the following as a supplement to the above
designated report.

All of the season's reports in this district may be included
in the same description as to structures and posting as the
same conditions apply to each of them. All dams, ditches,
dikes and spillways are in generally good condition; that is,
no damage has occurred to them from water erosion and they are
not in need of repairs. The islands that have been constructed
on these areas have taken a severe wave action and some of them
are nearly washed flat. They still are high enough to provide
good resting spots for the birds and it has been noted that
a very generally heavy use has been made of them for this purpose.
None of the season's reports in this district have been posted
with the new markers and notices as this has not been available
for this purpose. The posting on these reports was done over last
year and all damaged signs replaced with new at that time and it
is observed at the present that the posting is in generally good
condition. The larger wooden signs for each of the reports has
been removed and brought to headquarters for retreating and
repainting. It is believed that the wooden signs and what new metal
signs are required can be replaced in the near future.

Hoping that this information is sufficient for your needs,

Very truly yours,

Very truly yours,



NORTH DAKOTA EASEMENT REFUGES * DISTRICT No. 6.

QUARTERLY REPORT

MAY * JUNE * JULY, 1941.

UNITED STATES DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE
KENSAL, NORTH DAKOTA.

R.A.B.

NORTH DAKOTA EASEMENT REFUGES - DISTRICT No. 6.

Bonehill Creek

Chase Lake

Halfway Lake

Hobart Lake

Lake George

Stoney Slough

Tomahawk Lake

With the exception of Halfway Lake all of the Easement Refuges in District No. 6, show a continued improvement. Halfway Lake has remained dry this whole period. The refuges in the eastern part of this district are in a more improved condition as far as water is concerned than the ones in the western part of the district; this no doubt is due to greater rainfall in the area east of the James River valley.

Bone Hill Creek:

Water conditions are excellent here with the main unit very nearly full; which means that an adequate supply of water for the remainder of this season is assured. The time of observation of this unit was unfavorable as far as seeing waterfowl was concerned as it was late in the evening. The following birds were observed on this area. 1 - Brood Mallards - 6 young.

1 - " Ruddy's - 2 "

2 - " B.W. Teal - 14 "

Food and cover on this area are showing decided improvement.

A fine start of Wildmillet and Prairie Bulrush is evident.

Chase Lake.

Fresh Water Unit:

The fresh water unit of this refuge very nearly full and should maintain sufficient water for the remainder of this season. An ^xcellent stand of soft stemmed bulrush is growing in the upper part of this area. Natural cover here has increased ~~#####~~ to the extent that a good nesting area is now available where the past few years the ground around this lake body was a barren waste.

350 to 400 ducks were observed on the water area.

250 Shovelers - no young.

50 Mallards - 1 brood - 7 young

25 Ruddy 's - 4 broods - 8 -5 -7 -6

25 Blue-winged Teal - 1 brdod - 7 young.

No doubt other broods of young were hidden in the dense growths of bulrush and the heavy marsh grasses along the shore of the fresh-water unit.

Salt water Unit:

About 12 to 20 inches of water would be the average for this unit. The well sealed alkalai bottom of this area would indicate that this amount will remain fairly constant for this season. Only birds observed here were 45 White Pelicans with 25 young visible, 8500 to 9000 gulls mostly Franklin's and three Avocets.

Halfway Lake.

This area is dry and about its only use is that of being an excellent Upland Game area. Pheasants appeared quite numerous though the dense growth of vegetation on the area prevented any estimates.

Hobart Lake.

Upper unit of this refuge is within a foot and a half of being full with a good quantity still remaining in the larger lower unit to the North. Regular rainfall in the area of this refuge has aided in the maintaining of good water levels. There is now Approximately 4 feet of water South of the dike and an average of nearly a foot and a half North of the dike in the larger area. Cover near this area is very heavy and good field crops nearby should make the place attractive to fall migrants. An excellent start is being made by mixed hard and soft stemmed bulrush in the unit South of the dike. About 1000 ducks on open part of areas. 600 Pintails, 250 Mallards, 100 Blue-winged Teal and 50 Gadwall were observed; no young birds were seen.

Lake George.

South Fresh Water Unit:

Extremely dense growth of bulrush and other aquatic vegetation almost covers all of water area which is nearly full. Very heavy use is being made of this area by waterfowl but on account of dense cover only the following were observed: 200 Redheads, 150 Pintails, 100 Mallards, 50 Shovelers and 2 Coots. No young birds were observed as they had all hidden in the very heavy cover.

North Fresh Water Unit (Spring Fed):

Conditions here are similar to the South Unit except that the cover around the shoreline and back from the area has been reduced by heavy livestock grazing. Sufficient cover is available on the fenced area of the dike and in the hills to the South to provide good nesting sites. 400 ducks on area. 200 Shovelers, 100 Mallards, 75 Pintails and 25 Bluewinged Teal.

Lake George. (cont'.)

Salt Unit.

Water area appears a bit higher than at this time a year ago. According to local residents this lake at one time was about 90 feet deep. A sudden drop off into deep water is clearly visible on quiet days a short distance from the well beached shoreline. The water is very alkaline and no vegetation grows any where near the lake with the exception of a few scattered clumps of salt grass. Trees and brush do grow back in the hill around the lake but the lake basin itself is a veritable desert outside of the water area. No birds could be seen here.

Stoney Slough:

Units 3, 4 and 5 have water over all of their bottoms with unit 3 being nearly full and unit 4 about half full the last unit 5 has a very little water in it but is an excellent marsh and has no doubt produced many ducks this year. Units 1 and 2 have only water in the creek or channel bottoms. Units 3 and 4 have very good growths of bulrush and other aquatic plants the other units have dense growths of Marsh grass. An estimate of the birds on this area was made at 1450 ducks about equally divided in Mallards, Pintails and Shovelers though accurate countings were impossible due to the distance that the birds kept away from us. 5 Great Blue Heron were observed here also about 300 Coots. Tree plots near the central area at the outlet of Unit 3 are growing very well and two NYA workers under the supervision of the Postmaster Mr. Gunderson of Hastings, N. Dak. have taken care of their cultivation.

Tomahawk Lake.

Approximately 5 feet of water fills the entire coulee of this refuge with deeper water next to the dam. It is about $2\frac{1}{2}$ feet below the

Tomahawk Lake: (cont.)

spillway. Both upper branches of this coulee were seen to have several groups of young birds all bunched together. Approximately 200 Blue-winged Teal, 75 Ruddy's, 25 Mallards and 40 Shovelers were counted in the open water of the upper parts of this unit. About 650 ducks - Mallards, Blue-winged Teal, Ruddy's, Mallards and Shovelers were observed in the lower unit but seemed to be very wild and did not give an opportunity for exact estimation of each species. The reason these birds appear to be so wild is probably due to the fact that this area is very near to the town of Rogers, N. Dak. and is used extensively as a bathing place by local people. Cover and food conditions are becoming better in this area with the start of a fine growth of bulrush in the shallower parts of the water area and also a good catch of wildmillet along the shore lines. The upland area near this lake has been heavily grazed but a fair amount of cover is available for nesting.



10 - Lake Tomahawk - 7/29/41. Water area from bend to Dike.



11 - Lake Tomahawk - 7/29/41. From Bend to N.W. showing Bulrush Growth.



12 - Hobart Lake - 7/29/41. From East end of Dike shows part of ducks.



1 b. - Hobart Lake - 7/29/41. From hill South of dike shows both units.



2 b. - Hobart Lake - 7/29/41. Island in unit South of dike.



3 b. - Stoney Slough - 7/29/41/ Tree plot and unit 3 from S. W.



4 b. - Stoney Slough - 7/29/41. Unit # 3 from south shows island.



5 b. - Stoney Slough - 7/29/41. Units 4 & 5 from south of Unit 3.



4 - Chase Lake - 7/28/41. Fresh Water Unit from top of dike.



5 - Chase Lake - 7/28/41. Pelican island from Peninsula.



6 - Lake George - 7/28/41. South fresh water unit shows Bulrush.



9 - Bone Hill Creek - 7/28/41. Water area against face of dike.

Too late for good picture.

Submitted by:

Harry L. Rognlie
Harry L. Rognlie
Refuge Manager.



ROUTING SLIP

DIVISION OF WILDLIFE REFUGES

DATE: 5-15-1941☒ ~~MR. SALYER~~☒ ① ~~MRS. WOODIN~~ New☒ ~~MR. ELMER~~ 9~~MRS. GARVIN~~☒ ~~MR. DUMONT~~ PAD

SECTION OF HABITAT IMPROVEMENT:

~~Mr. Rubick~~~~Mr. Smith~~ PHS~~Mr. Griffith~~ PEG~~Miss Cook~~ me

SECTION OF OPERATIONS:

~~Mr. Ball~~☒ ~~Mr. Krummes~~ W☒ ② ~~Mrs. Watkins~~ MW~~Mrs. Kricun~~

SECTION OF ERA:

☒ ~~Mr. Regan~~ TRR☒ ~~Dr. Bourn~~ WBR~~Mrs. Fishman~~

SECTION OF LAND MANAGEMENT:

☒ ~~Mr. Evershaw~~ B~~Mr. Anderson~~ COA

STENOGRAPHERS:

~~Miss Price~~☒ ~~Miss Whorley~~

SECTION OF STRUCTURES:

☒ ~~Mr. Taylor~~ WV~~Mr. Gustafson~~ MS

REMARKS:

No. 100. Enclosures # 6Quarterly ReportFebruary - April 1941Return to: Cook

R - Z
H.I.

August 1, 1941

Mr. Burnie Maurek
Regional Director
500 National Building
Minneapolis, Minnesota

Dear Mr. Maurek:

In checking over the quarterly reports for the North Dakota easement districts Nos. 3 and 6, we note that very little specific wildlife data is included. This is particularly true in Mr. Henry's report on District No. 3, containing such statements as, "----- a few hundred ducks on the lake -----". Since wildlife and planting data are maintained on the easement refuges as in other refuges within the system, we are requesting that species and numbers be reported as outlined in Division Memorandum No. 91. It will also be desirable to include statements as to the amounts and nature of food and cover present. It will not be necessary to treat this information in such detail as requested for major refuges. It is, however, necessary that we are furnished with specific population numbers.

Sincerely yours,

Robert H. Smith
Acting In Charge
Section of Habitat Improvement
Division of Wildlife Refuges

RHS/MAB

NORTH DAKOTA EASEMENT REFUGES - DISTRICT No. 6.

Bone Hill Creek

Chase Lake

Halfway Lake

Hobart Lake

Lake George

Stoney Slough

Tomahawk.

With one exception, Halfway Lake, all of the Easement Refuges in this District show a decided improvement over that of the last two years. Halfway Lake continues to be completely dry.

Bone Hill Creek:

Water Condition.

Condition of structures.

Cover.

Birds checked

All units full.

Good

Exceptionally good.

Canvasbacks, ruddy, scaup.

Chase Lake:

Water Condition

Condition of structures

Cover

Birds

Very good.

Good

Fair

Pelicans (300).

Halfway Lake

Dry.

Hobart Lake

Water Conditions

Condition of Structures.

Cover.

Birds checked.

Upper Unit full; Lower Unit (NO. 2) with water area of 160 acres.

Good.

Good, with exception of 50 acres adjoining refuge on north, which was destroyed by a fire this spring.

Pintails, mallards, shovellers, scaup, Blue-winged teal, canvasback

Lake George:

Water Condition.
Condition of structures.
Cover.
Birds checked.

North Unit and main lake nearly full.
Good.
Fair, but showing improvement.
Pintails, mallards and shovellers on
North Unit. None on main lake.

Stoney Slough

Water condition.
Condition of structures.
Cover.
Birds checked.

Unit 3 full; Units 4 & 5 limited to
marsh condition.
Good, with exception of inlet ditch
between Units 2 & 3, which will re-
quire cleaning out next fall.
Only fair, due to grazing and hay
harvesting last summer and fall.
Canvasbacks, redheads, ruddy, scaup,
pintails, blue-winged teal, mallards.

Tomahawk.

Water condition.
Condition of structures.
Cover.
Birds checked.

Excellent, lacking but very little of
being full.
Good.
Good.
None, time not permitting other than
preliminary check of area.

Submitted by:

Kenneth F. MacDonald

KENNETH F. MACDONALD
REFUGE MANAGER.

5/10/41



NORTH DAKOTA EASEMENT REFUGE - DISTRICT No. 6.

Bonehill Creek Refuge.

4/11/41



NORTH DAKOTA EASEMENT REFUGE - DISTRICT No. 6.

Bonehill Creek Refuge.

4/11/41



Chase Lake Easement Refuge 9/25/40



Half-way Lake Easement Refuge 9/25/40



NORTH DAKOTA EASEMENT REFUGE - DISTRICT No. 6

Halfway Lake

(Area dry)

4/11/41

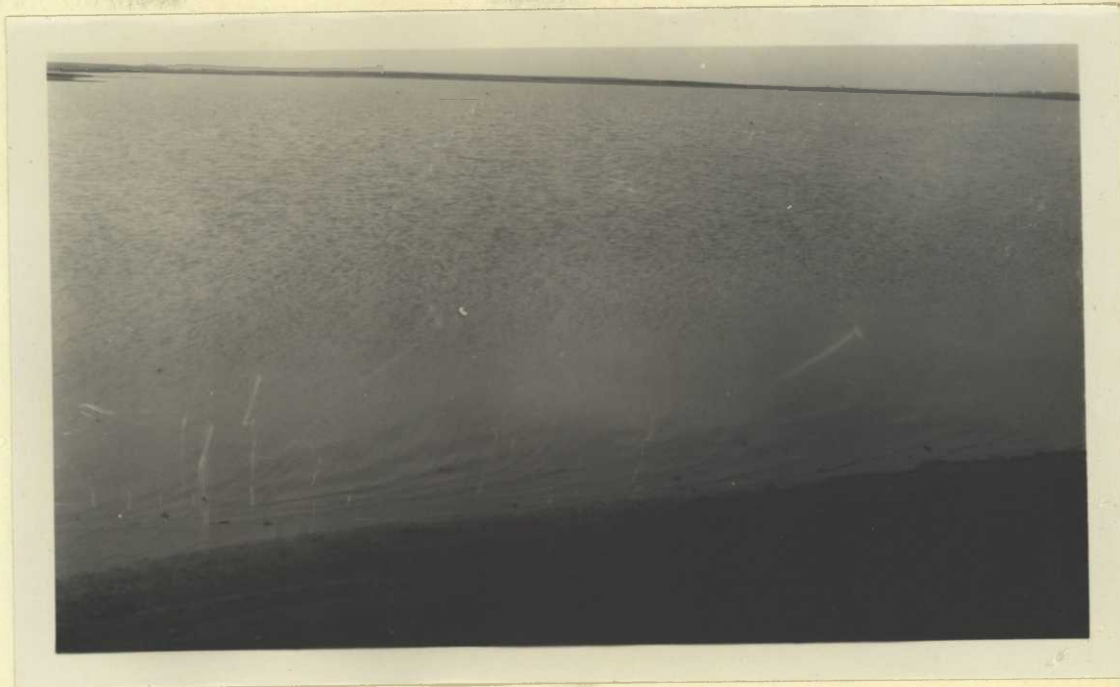


NORTH DAKOTA EASEMENT REFUGE - DISTRICT No. 6

Hobart Lake Refuge

(Dike dividing the two units)

4/29/41



NORTH DAKOTA EASEMENT REFUGE - DISTRICT No. 6.

Hobart Lake Refuge (Looking north from dike)

4/29/41



NORTH DAKOTA EASEMENT REFUGE - DISTRICT No. 6
 Lake George (Showing dike on fresh-water unit)

4/11/41



NORTH DAKOTA EASEMENT REFUGE - DISTRICT No. 6.
 Lake George (Showing main lake nearly full)

4/11/41



Lake George Easement Refuge 9/25/40
(Main Unit)



Lake George Easement Refuge 9/25/40
(Upper Unit)



NORTH DAKOTA EASEMENT REFUGE - DISTRICT No. 6.

Stoney Slough Refuge (Upper Unit from south bank) 4/29/41



NORTH DAKOTA EASEMENT REFUGE - DISTRICT No. 6.

Hobart Lake Refuge (Looking south from dike) 4/29/41



NORTH DAKOTA EASEMENT REFUGE - DISTRICT No. 6.

Stoney Slough Refuge (Upper Unit from south bank)

4/29/41



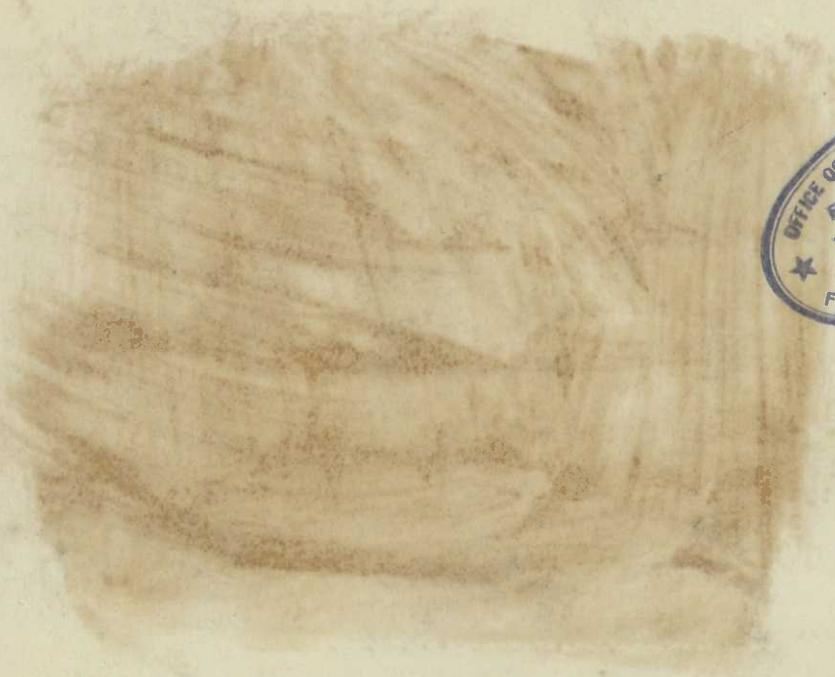
NORTH DAKOTA EASEMENT REFUGE - DISTRICT No. 6.

Hobart Lake Refuge

(Looking south from dike)

4/29/41

OFFICE OF REGIONAL DIRECTOR
RECEIVED
★ MAY 12 1941
REGION 3
FISH AND WILDLIFE



WHITE CANYON RESERVE - UPPER 7th - NORTH BANK

6/20/41



WHITE CANYON RESERVE - UPPER 7th - NORTH BANK

6/20/41